

Claims:

- 5 1. Aqueous disinfecting and cleaning composition in a concentrated form which exhibits reduced irritancy which comprises,
a disinfecting effective amount of a quaternary ammonium compound having germicidal properties;
a mitigating effective amount of at least one nonionic surfactant selected from
10 alkylpolyglycoside compounds;
0.1 - 10%wt. of a nonionic surfactant;
0 - 3%wt. of a polymeric cationic surfactant based on a polyquaternary ammonium salt;
0 - 3%wt. of a builder 0 - 5%wt. of one or more conventional additives particularly coloring agents, fragrances and fragrance solubilizers, viscosity modifying agents
15 such as thickeners, pH adjusting agents and pH buffers including organic and inorganic salts; and,
water to form 100%wt. of the concentrate form of the inventive compositions.

- 20 2. ~~An aqueous disinfecting and cleaning composition according to claim 1 wherein the quaternary ammonium compound having germicidal properties is present in an amount of from about 0.001 - 5% wt.~~

- 25 3. ~~An aqueous disinfecting and cleaning composition according to claim 1 wherein the at least one further nonionic surfactant is present in an amount of from about at 0.1 - 8%wt.~~

- 30 4. An aqueous disinfecting and cleaning composition according to claim 3 wherein the at least one further nonionic surfactant is an alkoxylated primary alcohol.

5. An aqueous disinfecting and cleaning composition according to claim 3 wherein the at least one further nonionic surfactant is a polymeric alkylene oxide block copolymer.

6. An aqueous composition which comprises 1 part of the aqueous disinfecting and cleaning concentrate composition according to claim 1 per 10 to 64 parts water.

7. Aqueous disinfecting and cleaning composition in a concentrated form which exhibits reduced irritancy according to claim 1 which comprises:
a disinfecting effective amount of a quaternary ammonium compound having germicidal properties;
a mitigating effective amount of a binary surfactant system which comprises both
(a) at least one nonionic surfactant selected from alkylpolyglycoside compounds, with (b) at least one further nonionic surfactant compound which is based on a polymeric alkylene oxide block copolymer;
0.1 - 10%wt. of at least one further nonionic surfactant;
0 - 3%wt. of a polymeric cationic surfactant based on a polyquaternary ammonium salt;
0 - 3%wt. of a builder;
0 - 5%wt. of one or more conventional additives particularly coloring agents, fragrances and fragrance solubilizers, viscosity modifying agents such as thickeners, pH adjusting agents and pH buffers including organic and inorganic salts; and,
water to form 100%wt. of the concentrate form of the inventive compositions.

8. An aqueous disinfecting and cleaning composition according to claim 7 wherein the quaternary ammonium compound having germicidal properties is present in an amount of from about 0.001 - 5% wt.

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Sub
C4

10

[illegible]

15
Lub
C/

20

~~ADD~~ C4, ~~ADD~~ D1